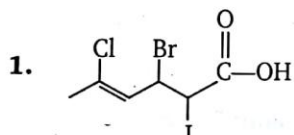


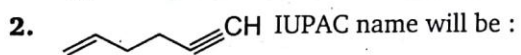
15 IUPAC NAME

LEVEL-1



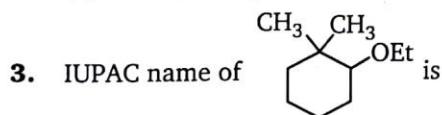
Total number of substituent present in the above compound :

- (a) 1 (b) 2
(c) 3 (d) 4



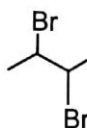
IUPAC name will be :

- (a) Hex-5-en-1-yne (b) Hex-1-en-5-yne
(c) Hex-6-en-1-yne (d) Hex-1-en-6-yne

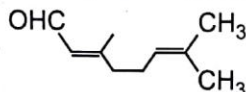


- (a) 1-Ethoxy-2, 2-dimethylcyclohexane (b) 2-ethoxy-1, 1-dimethyl cyclohexane
(c) 1, 1-Dimethyl-2-ethoxycyclohexane (d) 2-methyl-1, 1-ethoxy cyclohexane

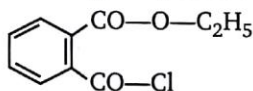
4. How many secondary carbon and hydrogen atoms are present in the molecule given below respectively ?



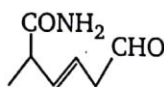
- (a) 2, 3 (b) 2, 2 (c) 3, 3 (d) 2, 0
5. Which IUPAC name is correct for the given compound ?



- (a) 3, 7-dimethylocta-2, 6-dienal (b) 2, 6-dimethyloct-2, 6-dienal-8
(c) 7-formyl-2, 6-dimethylhept-2, 6-diene (d) 7-aldo-2,6-dimethylhept-2, 6-diene
6. Write the IUPAC name of the following compound :



- (a) ethyl-2-(chlorocarbonyl) benzoate (b) ethyl-2-(chlorocarbonyl) hexanoate
(c) 2-(thoxycarbonyl) benzoyl chloride (d) None of these
7. The IUPAC name of the compound is :
- (a) *trans*-2-chloro-3-iodo-2-pentene (b) *cis*-2-chloro-3-iodo-2-pentene
(c) *trans*-3-iodo-4-chloro-3-pentene (d) *cis*-3-iodo-4-chloro-3-pentene
8. The IUPAC name of the compound is :

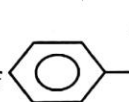
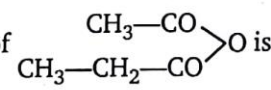


- (a) 2-methyl-6-oxohex-3-enamide (b) 6-keto-2-methyl hexanamide
(c) 2-carbamoylhexanal (d) 2-carbamoylhex-3-enal

9. The IUPAC name of is:

- (a) 1-Bromo-2-chloro-3-fluoro-6-iodo benzene
(b) 2-Bromo-1-chloro-5-fluoro-3-iodo benzene
(c) 4-Bromo-2-chloro-5-iodo-1-fluoro benzene
(d) 2-Bromo-3-chloro-1-iodo-5-fluoro benzene

10. The IUPAC name of $\text{CH}_3\text{—CH}_2\text{—CH}(\text{C}_2\text{H}_5)\text{—C}(=\text{O})\text{—OCH}_3$ is:
- (a) Methyl 2-ethylbutanoate (b) 1-methoxy-2-ethylbutanone
(c) 3-Methoxycarbonylpentane (d) 1-methoxy-2-ethylbutanal
11. The IUPAC name of $\text{CH}_3\text{—CH}=\text{CH—C}(=\text{O})\text{—OH}$ is:
- (a) But-1-en-4-oic acid (b) 1-hydroxybut-2-en-1-one
(c) But-2-en-1-oic acid (d) But-2-en-4-oic acid
12. The IUPAC name of $\text{CH}_3\text{—CH}=\text{C}(\text{OCH}_3)\text{—CH}_3$ is:
- (a) 1-Methoxy-1-methylpropene (b) 2-Methoxybut-2-ene
(c) dimethylpropeneether (d) none of these
13. The IUPAC name of $\text{CH}_2=\text{C}(\text{Me})\text{—C}(=\text{O})\text{—OC}_2\text{H}_5$ is:
- (a) Ethyl 2-methylprop-2-enoate (b) Ethyl 2-methylprop-1-enoate
(c) 1-Ethoxy-2-methylprop-2-enone (d) 1-Ethoxy-2-methylprop-2-enal
14. The IUPAC name of $\text{CH}_3\text{—CH}(\text{CH}_3)\text{—CH}(\text{CH}_3)\text{—CH}_2\text{NH}_2$ is:
- (a) 2, 3-Dimethylbutan-4-amine (b) 2, 4-Dimethylbutan-1-amine
(c) 2,4-Dimethylbutan-4-amine (d) 2, 3-Dimethylbutan-1-amine
15. The IUPAC name of $\text{CH}_3\text{—C}(=\text{O})\text{—CH}(\text{C}_2\text{H}_5)\text{—CH}(\text{CH}_3)\text{—CH}_3$ is:
- (a) 3-(Methylethyl) pentan-2-one (b) 3-(Methylethyl)pentan-4-one
(c) 3-Ethyl-4-methylpentan-2-one (d) 3-Ethyl-2-methylpentan-4-one
16. The IUPAC name of $\text{CH}_3\text{—CH}(\text{CH}_3)\text{—CH}_2\text{—C}(=\text{O})\text{—Br}$ is:
- (a) 2-Methylbutanoyl bromide (b) 2-Methylbutan-4-oyl bromide
(c) 1-Bromo-3-Methylbutanone (d) 3-Methylbutanoyl bromide

17. The IUPAC name of $\text{CH}_3 - \underset{\text{C}_6\text{H}_5}{\text{CH}} - \text{CH}_2 - \text{OH}$ is:
- (a) 2-Phenylpropan-1-ol (b) 2-Phenylpropan-3-ol
(c) 1-(2-Hydroxy-1-methylethyl) benzene (d) 1-((Hydroxymethyl)ethyl) benzene
18. The IUPAC name of $\text{CH}_3 - \underset{\text{CH}_3}{\overset{\text{CH}_3}{\text{C}}} - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{I}}{\text{CH}} - \text{CH}_2 - \text{CH}_3$ is:
- (a) 3-Iodo-4,5,5-trimethylhexane (b) 4-Iodo-1, 1, 3-trimethylhexane
(c) 4-Iodo-2, 2-dimethylheptane (d) 4-Iodo-2, 2, 3-trimethylhexane
19. The IUPAC name of $\text{CH}_3 - \text{CH}_2 - \underset{\text{Cl}}{\text{CH}} - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{OH}}{\overset{\text{CH}_3}{\text{C}}} - \text{CH}_3$ is:
- (a) 4-Chloro-2, 3-dimethylhexane-2-ol (b) 4-Chloro-2-hydroxy-2, 3-dimethylhexane
(c) 4-Chloro-1, 1, 2-trimethylpentan-2-ol (d) 3-Chloro-2, 3-dimethylhexane-2-ol
20. The IUPAC name of  is:
- (a) 2-Phenylpropan-3-al (b) Formylethylbenzene
(c) 2-Phenylpropanal (d) Ethylformylbenzene
21. The IUPAC name of $\text{CH}_3 - \overset{\text{O}}{\parallel}{\text{C}} - \text{CH} \begin{matrix} \text{CH}_3 \\ \text{CH}_3 \end{matrix}$ is:
- (a) 2-Methylbutan-3-one (b) 3-Methylbutan-2-al
(c) 2-Methylbutan-3-al (d) 3-Methylbutan-2-one
22. The IUPAC name of  is:
- (a) Ethanoic propanoic anhydride (b) Propanoic ethanoic anhydride
(c) 1-Ethanoyloxypropanone (d) 3-Ethanoyloxypropan-3-one
23. The IUPAC name of $\text{CH}_3 - \underset{\text{OH}}{\text{CH}} - \underset{\text{C}_2\text{H}_5}{\text{CH}} - \text{CH}_2 - \text{OH}$ is:
- (a) 3-Ethylbutane-2, 4-diol (b) 2-Ethylbutane-1, 3-diol
(c) 3-Ethylbutane-1, 3-diol (d) 2-Ethyl-1-methylpropane-1, 3-diol

24. The IUPAC name of $\text{CH}_3 - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \underset{\text{O}}{\underset{\parallel}{\text{C}}} - \text{CH}_3$ is:
 (a) Butane-2, 3-dial (b) Butane-1, 3-dione
 (c) Butane-2, 3-dione (d) 1, 2-dimethylethanedione
25. The IUPAC name of $\text{CH}_2 = \text{CH} - \text{CH} = \text{CH}_2$ is:
 (a) Butane (b) Buta-1, 3-diene (c) Butane-1, 3-diene (d) none of these
26. The IUPAC name of $\text{CH}_2 - \text{CH}_2 - \text{CH}_2$ is:
 $\begin{array}{c} \text{COOH} \qquad \qquad \text{COOH} \\ | \qquad \qquad \qquad | \\ \text{CH}_2 - \text{CH}_2 - \text{CH}_2 \end{array}$
 (a) Pentane-1, 5-dioic acid (b) Pentane-1, 5-dicarboxylic acid
 (c) Propane-1, 3-dioic acid (d) none of these
27. The IUPAC name of $\text{CH}_2 - \text{CH} = \text{CH} - \text{CHO}$ is:
 $\begin{array}{c} \text{CHO} \\ | \\ \text{CH}_2 - \text{CH} = \text{CH} - \text{CHO} \end{array}$
 (a) propene-1, 3-dial (b) Propene-1, 3-dicarbaldehyde
 (c) Pent-3-ene-1, 5-dial (d) Pent-2-ene-1, 5-dial
28. The IUPAC name of $\text{CH}_2 - \text{CN}$ is:
 $\begin{array}{c} \text{CH}_2 - \text{CN} \\ | \\ \text{CH}_2 - \text{CN} \end{array}$
 (a) Butane-1, 4-dicarbonitrile (b) Ethane-1, 2-dicarbonitrile
 (c) Ethane-1, 2-dinitrile (d) Butane-1, 4-dinitrile
29. The IUPAC name of $\text{CH}_2 - \text{CH} - \text{CH}_2 - \text{CH}_2$ is:
 $\begin{array}{c} \text{NH}_2 \qquad \text{CH}_3 \qquad \qquad \text{NH}_2 \\ | \qquad | \qquad \qquad | \\ \text{CH}_2 - \text{CH} - \text{CH}_2 - \text{CH}_2 \end{array}$
 (a) 2-Methylbutane-1, 4-diamine
 (b) 3-Methylbutane-1, 4-diamine
 (c) 3-(Aminomethyl)butanamine
 (d) 2-(Aminomethyl)butan-4-amine
30. The IUPAC name of $\text{CH}_2 - \text{CH} - \text{CH}_2$ is:
 $\begin{array}{c} \text{CH}_2\text{Cl} \\ | \\ \text{CH}_2 - \text{CH} - \text{CH}_2 \\ | \qquad \qquad | \\ \text{Cl} \qquad \qquad \text{Cl} \end{array}$
 (a) Tris(chloromethyl) methane
 (b) 1, 3-Dichloro-2 (chloromethyl) propane
 (c) 1-Chlorobis(chloromethyl) ethane
 (d) none of these

31. The IUPAC name of $\text{CH}_3 - \underset{\text{OH}}{\text{CH}} - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{OH}}{\text{CH}} - \overset{\text{CH}_3}{\underset{\text{CH}_3}{\text{C}}} - \text{CH}_3$ is:
- (a) 3, 5, 5-Trimethylhexane-2, 4-diol (b) 2, 2, 4-Trimethylhexane-3, 5-diol
(c) 1, 2, 4, 4-Tetramethylpentane-1, 3-diol (d) 2, 2, 4, 5-Tetramethylpentane-3, 5-diol
32. The IUPAC name of $\text{HOOC} - \text{CH} = \text{CH} - \text{COOH}$ is:
- (a) But-2-ene-1, 4-dicarboxylic acid (b) But-2-ene-1, 4-dioic acid
(c) Ethene dicarboxylic acid (d) Ethene dioic acid
33. The IUPAC name of $\text{CH}_3 - \overset{\text{OCH}_3}{\underset{|}{\text{CH}}} - \text{CHO}$ is:
- (a) 1-Formyl-1-methoxyethane (b) 2-Methoxypropan-3-one
(c) 2-Methoxypropanal (d) 2-Methoxypropan-3-al
34. The IUPAC name of $\text{CH}_2 = \overset{\text{CH}_3}{\underset{|}{\text{C}}} - \text{COOCH}_3$ is:
- (a) Methyl-2-methylprop-1-en-3-oate (b) 2-Methoxycarbonylpropene
(c) 2-Methoxycarbonylprop-2-ene (d) Methyl-2-methylprop-2-enoate
35. The IUPAC name of $\text{CH}_3 - \text{CH} = \text{CH} - \text{COOH}$ is:
- (a) But-2-ene-1-oic acid (b) But-1-ene-1-oic acid
(c) But-2-ene-1-carboxylic acid (d) Propene-1-carboxylic acid
36. The IUPAC name of $\text{CH}_3 - \overset{\text{OH}}{\underset{|}{\text{CH}}} - \text{COOH}$ is:
- (a) 2-Hydroxypropanoic acid (b) 1-Hydroxypropanoic acid
(c) 1-Hydroxyethane carboxylic acid (d) 1-Hydroxyethanoic acid
37. The IUPAC name of $\text{HO} - \underset{\text{HO}-\text{CH}-\text{COOH}}{\underset{|}{\text{CH}}} - \text{COOH}$ is:
- (a) 2, 3-Dihydroxybutane-1, 4-carboxylic acid
(b) 2, 3-Dihydroxybutane-1, 4-dioic acid
(c) 1, 2-Dihydroxyethane dicarboxylic acid
(d) none of these

38. The IUPAC name of $\text{CH}_3-\text{CH}-\text{C}-\text{COOH}$ is:



- (a) 3-Methyl-2-oxobutanecarboxylic acid (b) 2-Methyl-3-oxobutan-4-oic acid
(c) 3-Methyl-2-oxobutanoic acid (d) 3-Methyl-1,2-dioxobutanoic acid

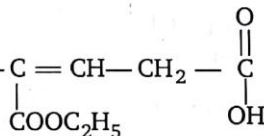
39. The IUPAC name of $\text{NC}-\text{CH}_2-\text{CH}_2-\text{COOH}$ is:

- (a) 3-Carboxy propanenitrile (b) 4-Cyanobutanoic acid
(c) 2-Cyanoethane Carboxylic acid (d) 3-Cyanopropanoic acid

40. The IUPAC name of $\begin{array}{c} \text{CH}_2\text{COOH} \\ | \\ \text{C} \\ / \quad \backslash \\ \text{OH} \quad \text{COOH} \\ | \\ \text{CH}_2\text{COOH} \end{array}$ is:

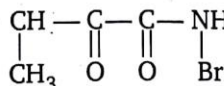
- (a) 3-Carboxy-3-hydroxypentanedicarboxylic acid
(b) 2-Hydroxypropane-1, 2, 3-tricarboxylic acid
(c) 2-Hydroxypropane-1, 2, 3-trioic acid
(d) 3-Hydroxypropane-1, 2, 3-tricarboxylic acid

41. The IUPAC name of $\text{CH}_3-\text{C}=\text{CH}-\text{CH}_2-\text{C}$ is:



- (a) 4-ethoxycarbonylpent-3-enoic acid
(b) 4-ethanoyloxypent-3-enoic acid
(c) 3-ethoxycarbonylbut-2-enecarboxylic acid
(d) 3-ethoxycarbonylpent-3-enoic acid

42. The IUPAC name of $\text{CH}_3-\text{CH}-\text{C}-\text{C}-\text{NH}$ is:



- (a) (N-Bromo)-2-keto-3-methylbutanamide
(b) (N-Bromo)-2-keto-4-methylbutanamide
(c) (N-Bromo)-1, 2-diketo-3-methylbutanamine carboxamide
(d) (N-Bromo)-1-keto-2-methylpropane

43. The IUPAC name of $\text{CH}_2-\text{C}=\text{CH}-\text{CH}_2\text{OH}$ is:



- (a) 4-Chloro-3-methylbut-2-en-1-ol (b) 1-Chloro-2-methylbut-2-en-4-ol
(c) 4-Chloro-1-hydroxy-3-methylbut-2-ene (d) 1-Chloro-4-hydroxy-2-methylbut-2-ene

44. The IUPAC name of $\text{CH}_2 - \underset{\text{Br}}{\text{CH}} - \overset{\text{O}}{\underset{\text{CONH}_2}{\text{C}}} - \text{CH}_2 - \text{CH}_3$ is:
- 2-(Bromomethyl)-3-oxopentane carboxamide
 - 1-Bromo-2-carbamoylpentan-3-one
 - 5-Bromo-4-carbamoylpentan-3-one
 - 2-(Bromomethyl)-3-oxopentanamide
45. The IUPAC name of $(\text{CH}_3)_3\text{C} \cdot \text{CH}_2\text{CH}_2\text{Cl}$ is:
- 2, 2-Dimethyl-4-chloro butane
 - 1-Chloro-3, 3-dimethylbutane
 - 4-Chloro-2, 2-dimethyl butane
 - none of these
46. The IUPAC name of $\text{CH}_3 - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{OH}}{\text{CH}} - \underset{\text{OH}}{\text{CH}} - \text{CHO}$ is:
- 2, 3-Dihydroxy-4-methylpentanal
 - 1-oxo-2, 3-Dihydroxy-4-methylpentane
 - 2,3-Dihydroxy-4-methylpentanone
 - 1, 2-Dihydroxy-3-methylbutanecarbaldehyde
47. The IUPAC name of $\text{CH}_3 - \text{CO} - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_2 - \text{CH}_2\text{Cl}$ is:
- 1-Chloro-3-methylpentan-4-one
 - 1-Chloro-2-(oxoethylbutane)
 - 5-Chloro-3-methylpentan-2-one
 - 3-(2-Chloroethyl)butan-2-one
48. The IUPAC name of $\text{CH}_3 - \underset{\text{H}}{\overset{\text{OH}}{\text{C}}} - \text{CH}_2 - \overset{\text{O}}{\text{C}} - \text{CH}_3$ is:
- 2-Hydroxypentan-4-one
 - 4-Hydroxypentan-2-one
 - 4-oxopentan-2-ol
 - 2-oxopentan-4-ol

49. The IUPAC name of $\text{CH}_3 - \underset{\text{Cl}}{\text{CH}} - \underset{\text{Br}}{\text{CH}} - \underset{\text{OH}}{\text{CH}} - \text{CH}_3$ is:

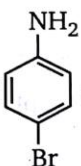
- (a) 3-Bromo-4-chloropentan-2-ol
- (b) 3-Bromo-2-chloro-4-hydroxypentane
- (c) 3-Bromo-2-chloropentane-4-ol
- (d) none of these

50. The IUPAC name of $\text{CH}_3 - \text{CH}_2 - \underset{\text{OH}}{\underset{\text{Br}}{\text{C}}} - \underset{\text{Cl}}{\text{CH}} - \text{CH}_2 - \text{Cl}$ is:

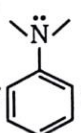
- (a) 3-Bromo-4, 5-dichloropentan-3-ol
- (b) 3-Bromo-1, 2-dichloro-3-hydroxypentane
- (c) 3-Bromo-1, 2-dichloropentan-3-ol
- (d) 3-Bromo-4, 5-dichloro-3-hydroxypentane

51. The IUPAC name of $\text{CH}_3 - \underset{\text{OH}}{\text{CH}} - \text{CH}_2 - \text{O} - \text{C}_2\text{H}_5$ is:

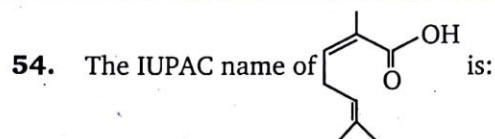
- (a) 1-Ethoxypropan-2-ol
- (b) 3-Ethoxypropan-2-ol
- (c) 1-Ethoxy-2-hydroxypropane
- (d) none of these

52. The IUPAC name of  is:

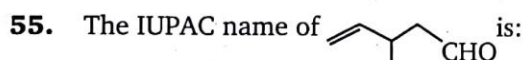
- (a) 4-Bromo benzenamine
- (b) 4-Amino-1-bromobenzene
- (c) 4-Bromo benzenamide
- (d) 1-Bromo benzencarboxamide

53. The IUPAC name of  is:

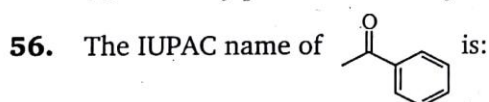
- (a) *N,N*-Dimethyl aminobenzene
- (b) *N,N*-Dimethyl benzenamine
- (c) (a) and (b) both are correct
- (d) none of these



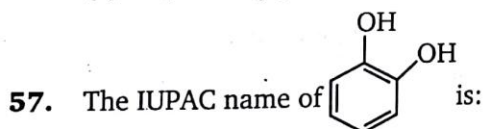
- (a) 2, 6-Dimethylhepta-2, 5-dienoic acid
(b) 3, 7-Dimethylhepta-2, 5-dienoic acid
(c) 1-Hydroxy-2, 6-dimethylhepta-2, 5-dienone
(d) none of these



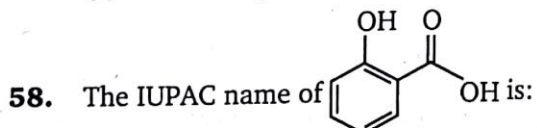
- (a) 3-Methylpent-1-en-4-al
(b) 3-Methylpent-4-enal
(c) 3-Methylpent-4-carbaldehyde
(d) 3-Methyl-5-oxopent-1-ene



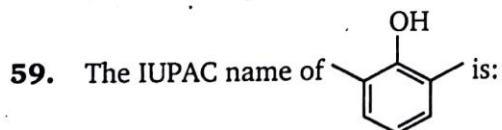
- (a) 2-Phenyl ethanone
(b) 1-Phenyl ethanone
(c) 1-(Oxoethyl)benzene
(d) 1-(Ethylaloxo)-benzene



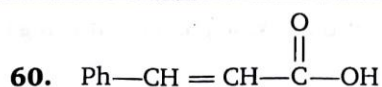
- (a) 2-Hydroxybenzenol
(b) 1, 2-Dihydroxybenzene
(c) Benzene-1, 2-diol
(d) 2-Hydroxyphenol



- (a) 2-Carboxyphenol
(b) 2-Hydroxybenzoic acid
(c) 1-Carboxy-2-hydroxybenzene
(d) 2-Carboxy-1-hydroxybenzene

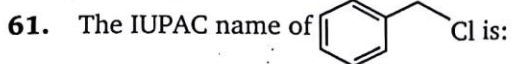


- (a) 1,3-Dimethyl phenol
(b) 1-Hydroxy-2-6-dimethyl benzene
(c) 2, 6-Dimethyl benzenol
(d) 2-Hydroxy-1-3-dimethylbenzene



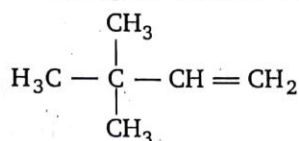
The IUPAC name is :

- (a) 3-phenyl prop-2-enoic acid (b) 3-phenol prop-1-enoic acid
(c) 3-carboxy-prop-1-ene benzene (d) but-2-enoic acid

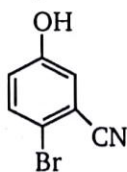


- (a) Chloromethylbenzene (b) Chlorophenylmethane
(c) (a) and (b) both (d) none of these

62. The IUPAC name of the compound having the formula is :

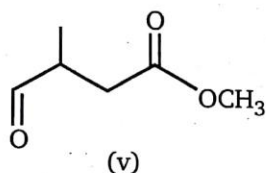
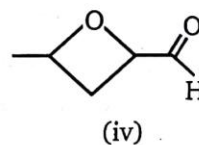
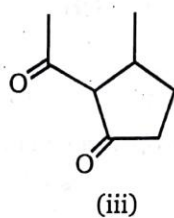
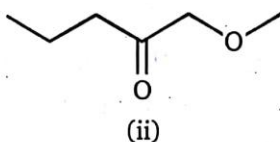
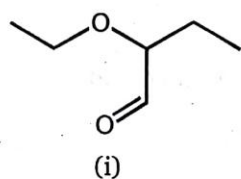


- (a) 3, 3, 3-Trimethylprop-1-ene (b) 1, 1, 1-Trimethylprop-2-ene
(c) 3, 3-Dimethylbut-1-ene (d) 2, 2-Dimethylbut-3-ene
63. The IUPAC name of the compound $\text{CH}_2=\text{CH}-\text{CH}(\text{CH}_3)_2$ is :
- (a) 1, 1-Dimethylprop-2-ene (b) 3-Methylbut-1-ene
(c) 2-Vinyl propane (d) none of these
64. The number of sigma and pi-bonds in 1-butene 3-yne are :
- (a) 5 sigma and 5 pi (b) 7 sigma and 3 pi
(c) 8 sigma and 2 pi (d) 6 sigma and 4 pi
65. The IUPAC name of $\text{C}_6\text{H}_5\text{COCl}$ is :
- (a) Benzoyl Chloride (b) Benzene chloro ketone
(c) Benzene carbonyl chloride (d) Chloro phenyl ketone
66. The IUPAC name of the following compound is :

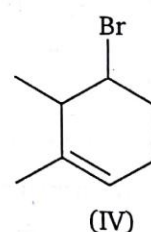
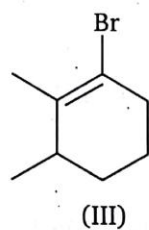
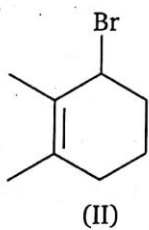
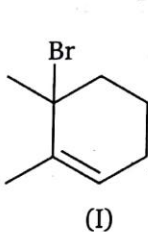


- (a) 4-Bromo-3-cyanophenol (b) 2-Bromo-5-hydroxybenzonitrile
(c) 2-Cyano-4-hydroxybromobenzene (d) 6-Bromo-3-hydroxybenzonitrile

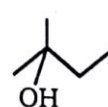
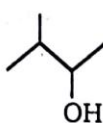
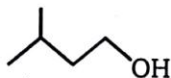
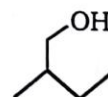
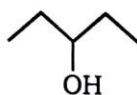
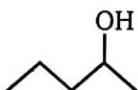
67. Many organic compounds contain more than one functional group. Which of the following is both an aldehyde and an ether?



- (a) (i) only
(b) (i) and (iv)
(c) (ii) and (v)
(d) (iii) and (iv)
68. What is the sum of positions assigned to bromine while numbering the Parent Chain in the below compounds?

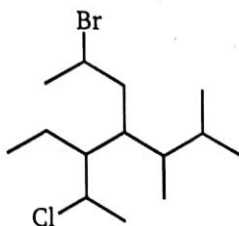


- (a) 13
(b) 14
(c) 15
(d) 16
69. How many number of compounds, which have same IUPAC name?



- (a) 0
(b) 1
(c) 2
(d) 3

70. How many total number of substituents are present in the following compound ?



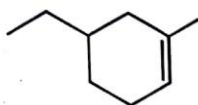
(a) 3

(b) 4

(c) 5

(d) 6

71.



Correct IUPAC name :

(a) 1-methyl-3-ethylcyclohexene

(b) 5-ethyl-1-methylcyclohexene

(c) 2-ethyl-4-methylcyclohexene

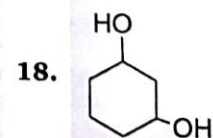
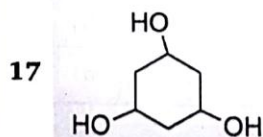
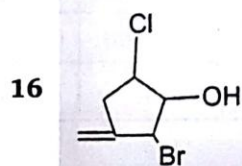
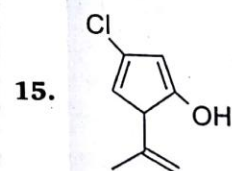
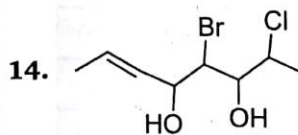
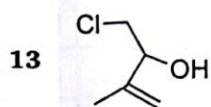
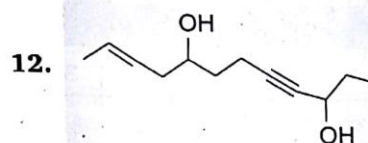
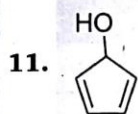
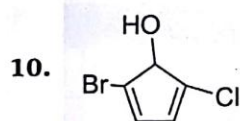
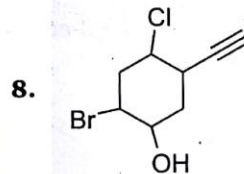
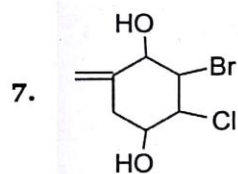
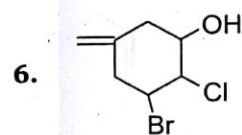
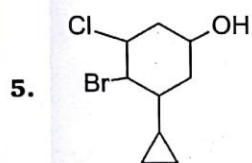
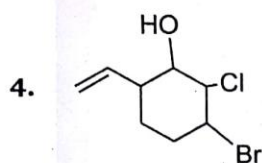
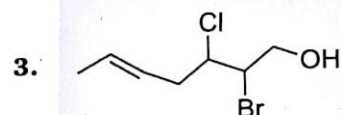
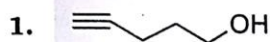
(d) 3-ethyl-1-methylcyclohexene

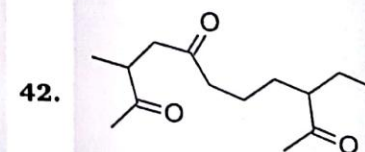
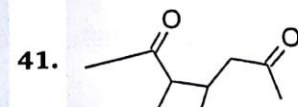
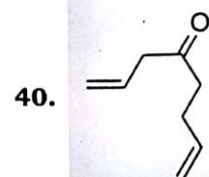
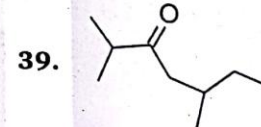
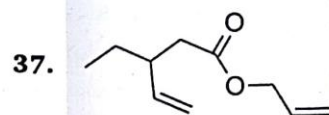
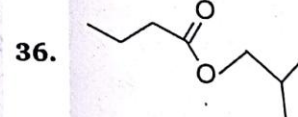
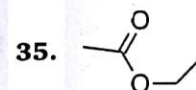
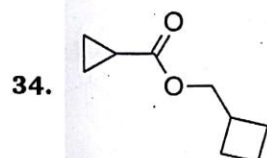
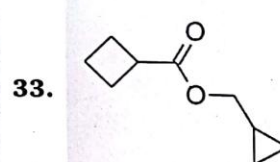
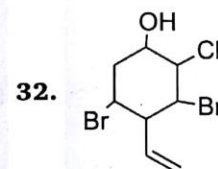
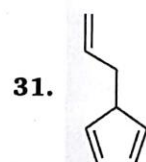
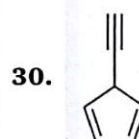
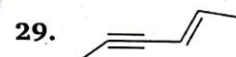
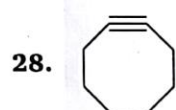
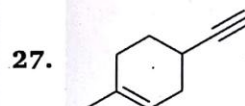
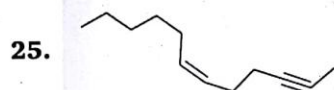
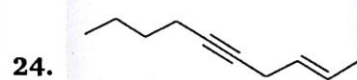
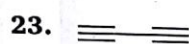
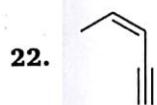
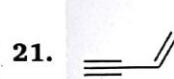
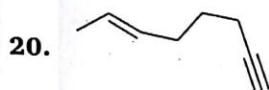
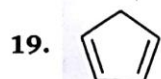
ANSWERS — LEVEL 1

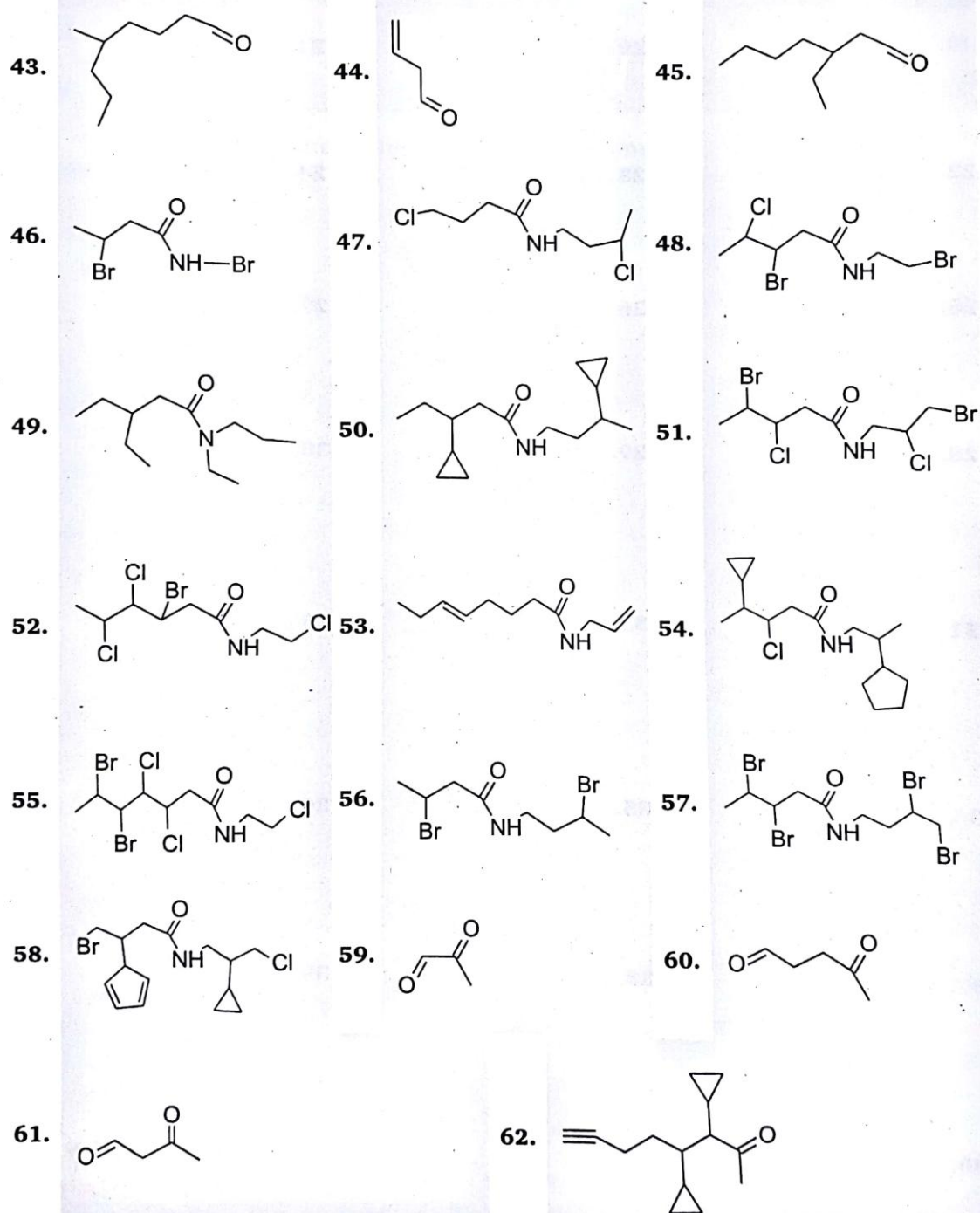
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17.	(a)	18.	(d)	19.	(a)	20.	(c)	21.	(d)	22.	(a)	23.	(b)	24.	(c)
25.	(b)	26.	(a)	27.	(d)	28.	(d)	29.	(a)	30.	(b)	31.	(a)	32.	(b)
33.	(c)	34.	(d)	35.	(a)	36.	(a)	37.	(b)	38.	(c)	39.	(d)	40.	(b)
41.	(a)	42.	(a)	43.	(a)	44.	(d)	45.	(b)	46.	(a)	47.	(c)	48.	(b)
49.	(a)	50.	(c)	51.	(a)	52.	(a)	53.	(b)	54.	(a)	55.	(b)	56.	(b)
57.	(c)	58.	(b)	59.	(c)	60.	(a)	61.	(b)	62.	(c)	63.	(b)	64.	(b)
65.	(c)	66.	(b)	67.	(b)	68.	(c)	69.	(a)	70.	(c)	71.	(b)		

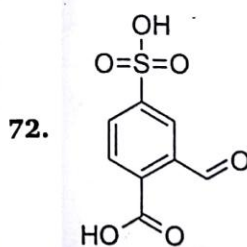
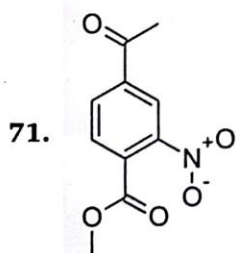
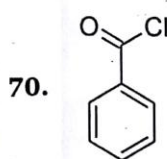
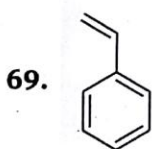
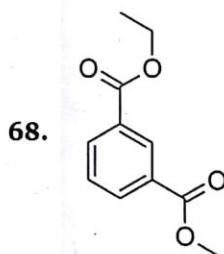
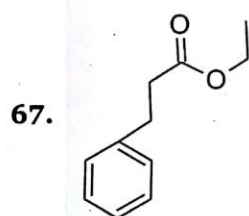
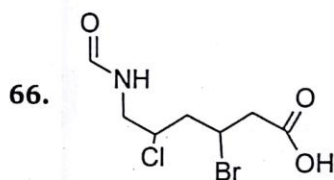
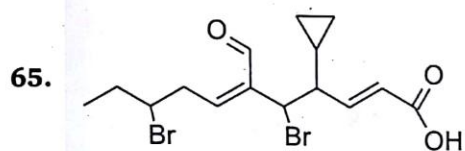
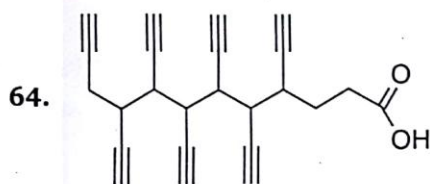
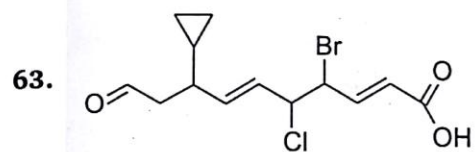
LEVEL-2

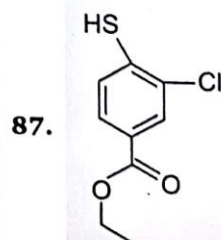
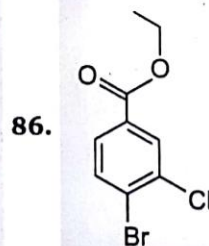
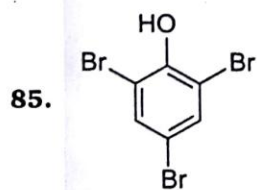
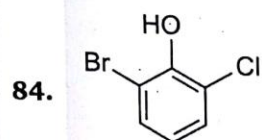
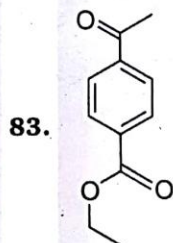
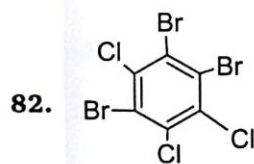
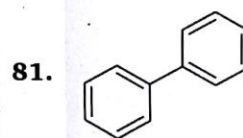
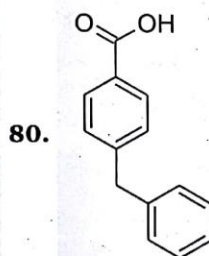
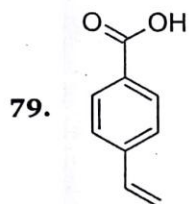
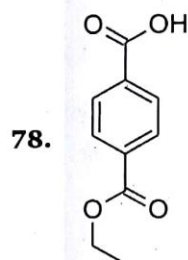
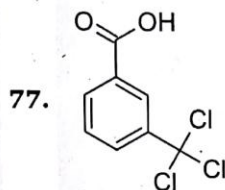
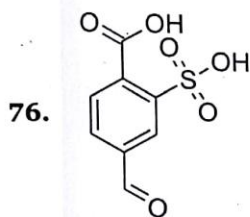
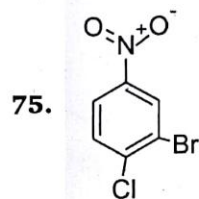
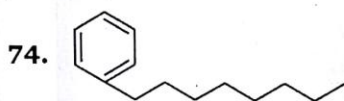
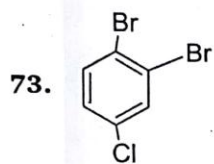
Give the IUPAC name of the following compounds

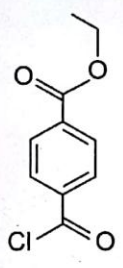
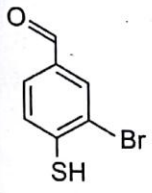
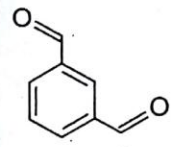
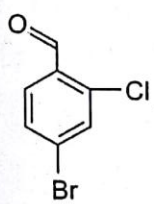
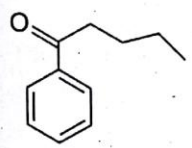
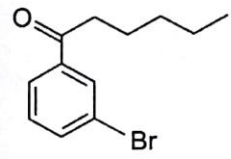
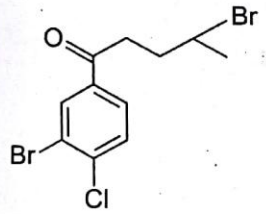
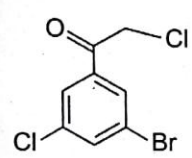
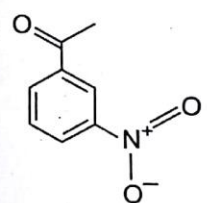
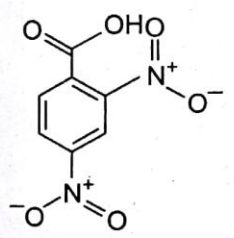
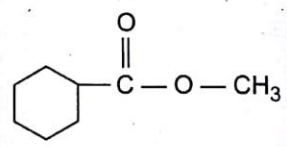
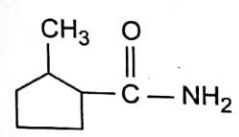
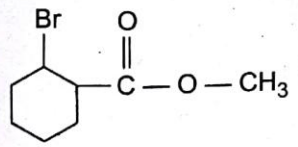
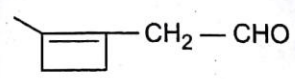
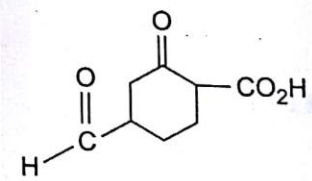
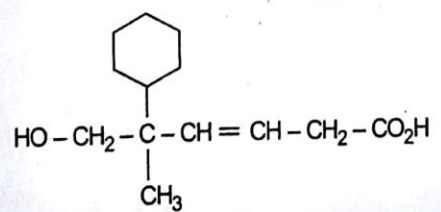
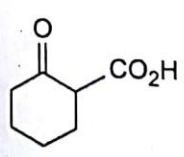


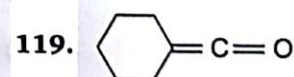
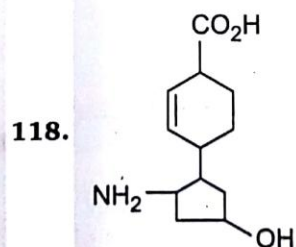
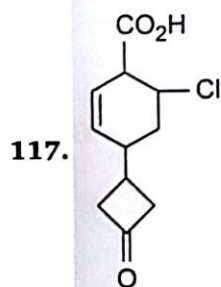
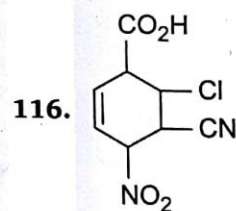
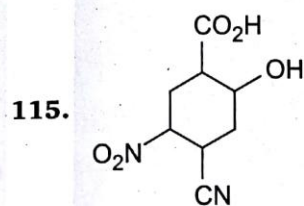
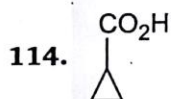
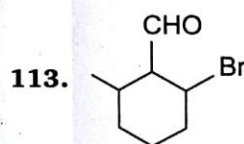
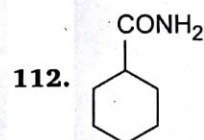
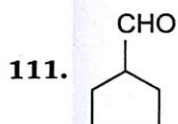
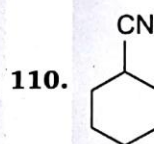
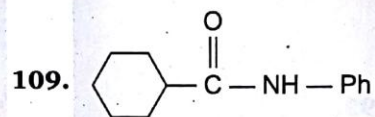
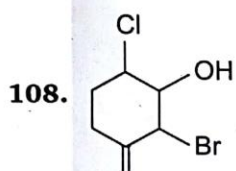
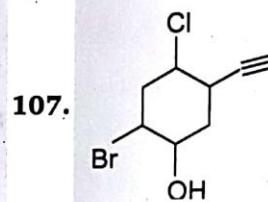
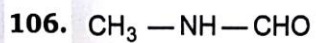
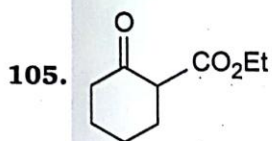


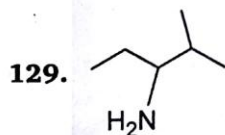
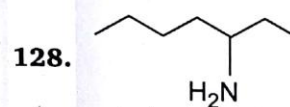
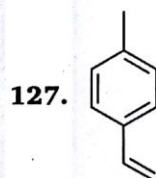
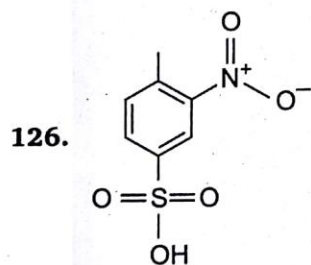
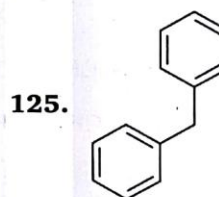
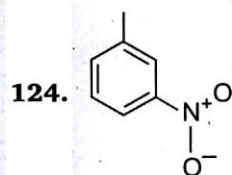
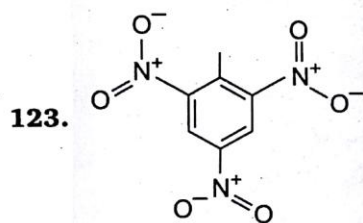
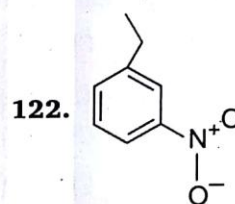
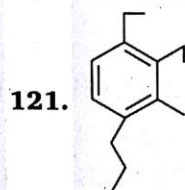
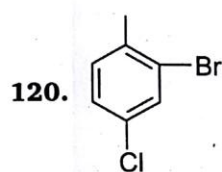




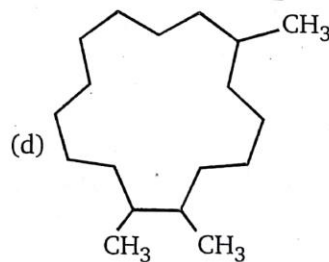
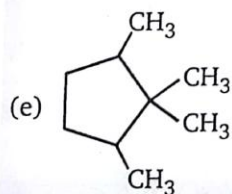
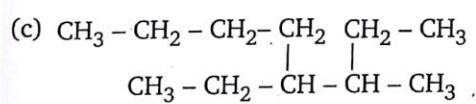
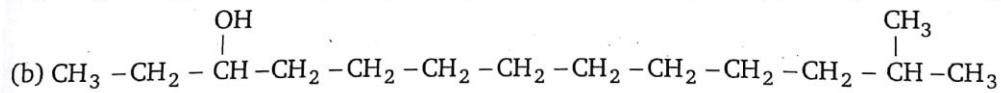
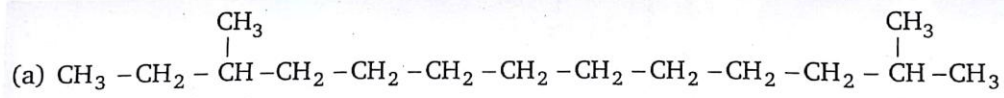


88. 
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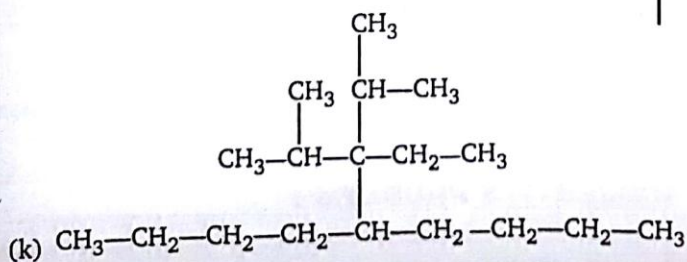
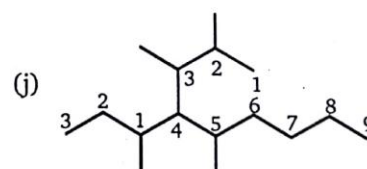
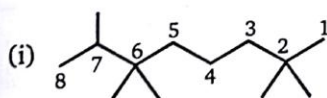
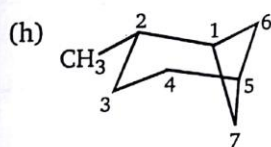
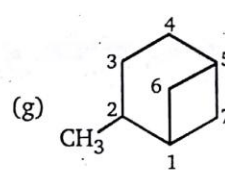
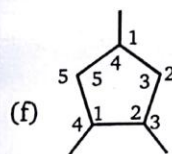
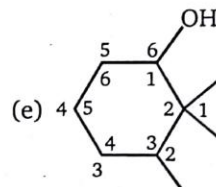
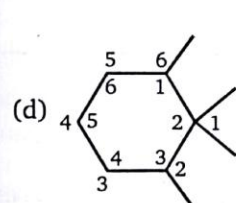
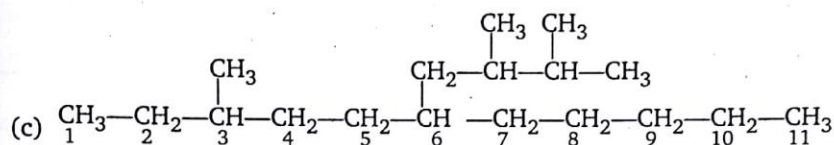
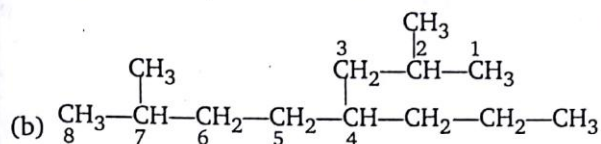
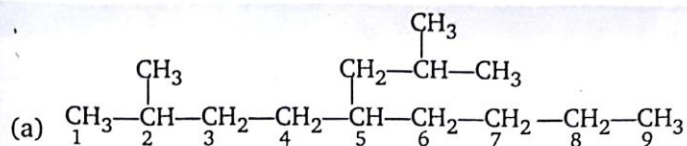




130. Give the IUPAC name of the following compounds :



131. Give the IUPAC name of the following :



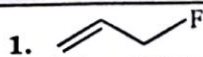
132. Match the Column :

Column (I)		Column (II)	
Compound		IUPAC Name	
(a)		(p)	1, 3-dibromo-2-chlorocyclopropane
(b)		(q)	1, 2-dibromo-3-chlorocyclopropene
(c)		(r)	3-bromo-1-chlorocyclopropene
(d)		(s)	1-bromo-3-chlorocyclopropene

133. Match the Column :

Column (I)		Column (II)	
(a)		(p)	1-butyl-4-methyl cyclohexane
(b)		(q)	2-bromo-1,1-dichloro cyclohexane
(c)		(r)	1-Bromo-1,2-dichloro cyclohexane
(d)		(s)	Ethyl-2-formyl cyclohexane carboxylate

SUBJECTIVE PROBLEMS



When IUPAC name of following compound is given, then double bond and substituent gets respectively (x and y) number so the sum of (x + y) will be

ANSWERS – IUPAC Name			
1.	pent-4-yn-1-ol	2.	pent-4-en-1-ol
3.	(5E)-2-bromo-3-chlorohept-5-en-1-ol	4.	3-bromo-2-chloro-6-ethenylcyclohexanol
5.	4-bromo-3-chloro-5-cyclopropylcyclohexanol		
6.	3-bromo-2-chloro-5-methylidenecyclohexanol		
7.	3-bromo-2-chloro-5-methylidenecyclohexane-1,4-diol		
8.	2-bromo-4-chloro-5-ethynylcyclohexanol	9.	cyclopenta-1,3-dien-1-ol
10.	2-bromo-5-chlorocyclopenta-2,4-dien-1-ol		
11.	cyclopenta-2,4-dien-1-ol	12.	dodec-10-en-4-yne-3,8-diol
13.	1-chloro-3-methylbut-3-en-2-ol	14.	4-bromo-2-chlorooct-6-ene-3,5-diol
15.	3-chloro-5-(1-methylethenyl)cyclopenta-1,3-dien-1-ol		
16.	2-bromo-5-chloro-3-methylidenecyclopentanol		
17.	cyclohexane-1,3,5-triol	18.	cyclohexane-1,3-diol
19.	cyclopenta-1,3-diene	20.	(6E)-oct-6-en-1-yne
21.	but-1-en-3-yne	22.	(3Z)-pent-3-en-1-yne
23.	buta-1,3-diyne	24.	(2E)-dec-2-en-5-yne
25.	(6Z)-dodec-6-en-2-yne	26.	pent-1-en-4-yne
27.	4-ethynyl-1-methylcyclohexene	28.	cyclooctyne
29.	(2E)-hex-2-en-4-yne	30.	5-ethynylcyclopenta-1,3-diene
31.	5-(prop-2-enyl) cyclopenta-1,3-diene		
32.	3,5-dibromo-2-chloro-4-ethenylcyclohexanol		
33.	cyclopropylmethyl cyclobutanecarboxylate		
34.	cyclobutylmethyl cyclopropanecarboxylate		
35.	ethyl ethanoate	36.	2-methylpropyl butanoate
37.	prop-2-enyl 3-ethylpent-4-enoate	38.	4-methylpentan-2-one
39.	2,5-dimethylheptan-3-one	40.	octa-1,7-dien-4-one
41.	3,4-dimethylheptane-2,6-dione	42.	9-ethyl-3-methylundecane-2,5,10-trione

43.	5-methyloctanal	44.	but-3-enal
45.	3-ethylheptanal	46.	N,3-dibromobutanamide
47.	4-chloro-N-(3-chlorobutyl)butanamide		
48.	3-bromo-N-(2-bromoethyl)-4-chloropentanamide		
49.	N,3-diethyl-N-propylpentanamide		
50.	3-cyclopropyl-N-(3-cyclopropylbutyl)pentanamide		
51.	4-bromo-N-(3-bromo-2-chloropropyl)-3-chloropentanamide		
52.	3-bromo-4,5-dichloro-N-(2-chloroethyl)hexanamide		
53.	(5E)-N-(prop-2-en-yl)oct-5-enamide		
54.	3-chloro-N-(2-cyclopentylpropyl)-4-cyclopropylpentanamide		
55.	5,6-dibromo-3,4-dichloro-N-(2-chloroethyl)heptanamide		
56.	3-bromo-N-(3-bromobutyl)butanamide		
57.	3,4-dibromo-N-(3,4-dibromobutyl)pentanamide		
58.	4-bromo-N-(3-chloro-2-cyclopropylpropyl)-3-(cyclopenta-2,4-dien-yl)butanamide		
59.	2-oxopropanal	60.	4-oxopentanal
61.	3-oxobutanal	62.	3,4-dicyclopropyloct-7-yn-2-one
63.	(2E,6E)-4-bromo-5-chloro-8-cyclopropyl-10-oxodeca-2,6-dienoic acid		
64.	4,5,6,7,8,9-hexaethynyldodec-11-ynoic acid		
65.	(2E,6E)-5,9-dibromo-4-cyclopropyl-6-formylundeca-2,6-dienoic acid		
66.	3-bromo-5-chloro-6-(formylamino)hexanoic acid		
67.	ethyl 3-phenylpropanoate	68.	ethyl methyl benzene-1,3-dicarboxylate
69.	ethenylbenzene	70.	benzoyl chloride
71.	methyl 4-acetyl-2-nitrobenzoate	72.	2-formyl-4-sulphobenzoic acid
73.	1,2-dibromo-4-chlorobenzene	74.	octylbenzene
75.	2-bromo-1-chloro-4-nitrobenzene	76.	4-formyl-2-sulphobenzoic acid
77.	3-(trichloromethyl)benzoic acid	78.	4-(ethoxycarbonyl)benzoic acid

79.	4-ethenylbenzoic acid	80.	4-benzylbenzoic acid
81.	biphenyl	82.	1,2,5-tribromo-3,4,6-trichlorobenzene
83.	ethyl 4-acetylbenzoate	84.	2-bromo-6-chlorophenol
85.	2, 4, 6-tribromophenol	86.	ethyl 4-bromo-3-chlorobenzoate
87.	ethyl 3-chloro-4-mercapto/sulpho benzoate	88.	ethyl 4-(chlorocarbonyl)benzoate
89.	3-bromo-4-sulphobenzaldehyde	90.	benzene-1, 3-dicarbaldehyde
91.	4-bromo-2-chlorobenzaldehyde	92.	1-phenylpentan-1-one
93.	1-(3-bromophenyl)hexan-1-one		
94.	4-bromo-1-(3-bromo-4-chlorophenyl)pentan-1-one		
95.	1-(3-bromo-5-chlorophenyl)-2-chloroethanone		
96.	1-(3-nitrophenyl)ethanone	97.	2,4-dinitrobenzoic acid
98.	methylcyclohexane carboxylate	99.	2-methylcyclopentane carboxamide
100.	methyl-2-bromocyclohexane carboxylate	101.	2-(2-methylcyclobut-1-enyl)ethanal
102.	4-formyl-2-oxocyclohexane-1-carboxylic acid		
103.	5-cyclohexyl-6-hydroxy-5-methylhex-3-en-1-oic acid		
104.	2-oxocyclohexane-1-carboxylic acid	105.	ethyl-2-oxocyclohexane-1-carboxylate
106.	N-methylmethanamide	107.	2-bromo-4-chloro-5-ethynylcyclohexanol
108.	2-bromo-6-chloro-3-methylidene-cyclohexanol		
109.	N-phenylcyclohexane carboxamide	110.	cyclohexane carbonitrile
111.	cyclopentanecarbaldehyde	112.	cyclohexanecarboxamide
113.	2-bromo-6-methyl-cyclohexanecarbaldehyde		
114.	cyclopropane carboxylic acid		
115.	4-cyno-2-hydroxy-5-nitrocyclohexane carboxylic acid		
116.	6-chloro-5-cyno-4-nitrocyclohex-2-ene carboxylic acid		
117.	6-chloro-4-(3-oxo cyclobutyl)cyclohex-2-ene carboxylic acid		
118.	4-(2-amino-4-hydroxycyclopentyl) cyclohex-2-enecarboxylic acid		

119.	cyclohexylidenemethanone	120.	2-bromo-4-chloro-1-methylbenzene
121.	1,2-diethyl-3-methyl-4-propylbenzene	122.	1-ethyl-3-nitrobenzene
123.	2-methyl-1, 3, 5-trinitrobenzene	124.	1-methyl-3-nitrobenzene
125.	Diphenylmethane	126.	4-Methyl-3-nitrobenzene sulphonic acid
127.	1-ethenyl-4-methylbenzene	128.	heptan-3-amine
129.	2-methylpentan-3-amine		
130.	(a) 2,11-dimethyltridecane		
	(b) 12-methyl-tridecan-3-ol		
	(c) 4-ethyl-3-methyloctane		
	(d) 1,2,7-trimethylcyclopentadecane		
	(e) 1,1,2,5-tetramethylcyclopentane		
131.	(a) 5-isobutyl-2-methylnonane, 5-2-methylnonane (2-methylpropyl)		
	(b) 2,7-dimethyl-4-propyloctane		
	(c) 6-(2,3-dimethylbutyl) 3-methyl undecane		
	(d) 1,1,2,6-tetramethylcyclohexane		
	(e) 2,2,3-trimethylcyclohexanol		
	(f) 1,2,4-trimethylcyclopentane		
	(g) 2-methylbicyclo[3.1.1] heptane		
	(h) 2-methylbicyclo[3.1.1] heptane		
	(i) 2,2,6,6,7-pentamethyloctane		
	(j) 4-(1methylpropyl)-2,3,5-trimethyl nonane Not 2-butyl		
	(k) 5-(1-ethyl-2-methyl-1-(1-methylethyl)propyl) nonane		
132.	a - r; b - s; c - q; d - p		
133.	a - q; b - p; c - s; d - r		

Subjective Problems

1. 4